EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4214	(715/513 715/517 715/523 715/530).ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:19
L2	293	715/533.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L3	9059	spell spelling	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L4	715156	correction correct	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L5	1312	L3 with L4	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L6	111	L5 and 2	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L7	1189726	penalty cost	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L8	30	L7 and 6	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L9	3342821	length longer shorter short long	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L10	26	L9 and 8	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
S1	9059	spell spelling	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S2	715156	correction correct	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S3	1312	S1 with S2	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S4	1189726	penalty cost	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S5	7078	S2 with S4	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S6	8	S3 same S5	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S7	3384102	@ad < "20010602"	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S8	4	S6 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:58
S9	3342821	length longer shorter short long	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:58
S10	1	S6 same S9	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:59
S11	0	S10 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:58

S12	73844	S4 with S9	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:59
S13	4	S3 and S5 and S12	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:59
S14	3	S13 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:03
S15	0	google.in.	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:04
S16	28	google.as.	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:04
S17	11	S16 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:05
S18	0	S3 and S17	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:04
S19	37	did with you with mean	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:05
S20	2	S16 and S19	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:06
S21	0	S20 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:05
S22	2468	(multiple adj word) multiple-word (multi adj word) multi-word	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:07
S23	12083	(phrasal adj string) (phrase adj string) (plurality adj word)	US-PGPUB; USPAT	OR	ON	2006/03/23 13:07
S24	14167	S22 S23	US-PGPUB; USPAT	OR	ON	2006/03/23 13:07
S25	30	S24 same S3	US-PGPUB; USPAT	OR	ON	2006/03/23 13:07
S26	21	S25 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:08
S27	2	S25 same S4	US-PGPUB; USPAT	OR	ON	2006/03/23 13:08
S28	7	S25 and S4	US-PGPUB; USPAT	OR	ON	2006/03/23 13:08
S29	1	S27 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:09
S30	3	S28 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:10
S31	192240	S4 same S9	US-PGPUB; USPAT	OR	ON	2006/03/23 13:10
S32	73844	S4 with S9	US-PGPUB; USPAT	OR	ON	2006/03/23 13:11
S33	2	S3 same S32	US-PGPUB; USPAT	OR	ON	2006/03/23 13:11

S34	2	S33 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:15
S35	39	S3 and S32	US-PGPUB; USPAT	OR	ON	2006/03/23 13:15
S36	32	S35 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:15

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Jafar Rizvi, S.M.; Hussain, M.; Qaiser, N.;
Engineering, Sciences and Technology, Student Conference On
30-31 Dec. 2004 Page(s):29 - 29
AbstractPlus | Full Text: PDF(288 KB)   **IEEE CNF**
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☐ 2. **Case history: the professional job search**
Jones, R.W.;
Industry Applications Magazine, IEEE
Volume 4, Issue 2, March-April 1998 Page(s):61 - 67
Digital Object Identifier 10.1109/2943.655662
AbstractPlus | Full Text: PDF(1356 KB)   **IEEE JNL**
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☐ 3. **Program slicing with dynamic points-to sets**
Mock, M.; Atkinson, D.C.; Chambers, C.; Eggers, S.J.;
Software Engineering, IEEE Transactions on
Volume 31, Issue 8, Aug. 2005 Page(s):657 - 678
Digital Object Identifier 10.1109/TSE.2005.94
AbstractPlus | Full Text: PDF(1856 KB)   **IEEE JNL**
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☐ 4. **Tries for approximate string matching**
Shang, H.; Merrettal, T.H.;
Knowledge and Data Engineering, IEEE Transactions on
Volume 8, Issue 4, Aug. 1996 Page(s):540 - 547
Digital Object Identifier 10.1109/69.536247
AbstractPlus | References | Full Text: PDF(768 KB)   **IEEE JNL**
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☐ 5. **Better, more cost-effective intake interviews**
Warren, J.R.;
Intelligent Systems and Their Applications, IEEE [see also IEEE Intelligent Sys
Volume 13, Issue 1, Jan.-Feb. 1998 Page(s):40 - 48
Digital Object Identifier 10.1109/5254.653223

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High Speed Parity Checking Algorithm
1974-07-01   IPCOM000081734D   English
An algorithm is described to check for either even or odd parity in a variable-length bit
known maximum length.

Result # 2   Relevance:
Parity Check for Deserializer
1969-12-01   IPCOM000071191D   English
In the conversion from the serial representation of disk data with a modulo 4 checking
byte parallel word with a parity bit for each byte, previous systems do, not check the tr
hardware. This arrangement derives a parity bit for checking against the ...

Result # 3   Relevance:
Adaptive Cyclic Redundancy Check over 16-Bit Bytes: Method and App
1994-02-01   IPCOM000111350D   English
The data that is sent between nodes in a parallel/distributed machine is typically protec
error detecting/correcting code. A common approach is to use a fixed block length and
redundancy bytes at the end of a block. In an asynchronous communication ...

Result # 4   Relevance:
Parity Prediction Circuitry for Cyclic Code Checking
1971-09-01   IPCOM000075398D   English
The parity-prediction circuitry operates for both the read and write modes of file 12. In
mode, data from file 12 is read therefrom in serial fashion and is transmitted to CPU 1C
in the write mode, data from CPU 10 is pulled therefrom in bytes and is ...

Result # 5   Relevance:
CRC Technique for RAS Code
1978-04-01   IPCOM000069427D   English
RAS (reliability, availability, serviceability) code checking of a machine generally takes ·
running a short piece of exercising code followed by several instructions which perform
comparing with an expected result. Many such checks are placed in the ...

Result # 6   Relevance:
Parity Prediction for Incrementers
1975-10-01   IPCOM000084264D   English
The present technique speeds up register update by predicting parity rather than gener

Result # 7   Relevance:
Main Storage Error Correction
1968-03-01   IPCOM000091564D   English
This method of error detection and correction is applied to a computer main memory in
balance checking efficiency against system utilization. The system calculates a Hammin

Code for a unit of data in a conventional manner. Instead of carrying this ...

Result # 8   Relevance: ⚙ ░░░░

Read Only Storage Failure Checking Technique

1976-01-01   IPCOM000084750D   English

Many read-only storage (ROS) modules do not implement the hardware odd/even parit
the bytes within the ROS memory. The prime otivating constraint has been the judged
between hardware cost nd the required product reliability. However, recent studies ...

Result # 9   Relevance: ⚙ ░░░░

**Self Checked Error Correction Code Generator, ECC Comparer Error Sy
Decoder and Data Bit Corrector**

1972-10-01   IPCOM000077933D   English

In data-processing systems with error correction, ECC bits are generated from a data b
comprising bytes and are then appended thereto. An overall word parity bit is generate
appended, and the entire data entity is stored. Upon reading the data entity from ...

Result # 10   Relevance: ⚙ ░░░░

Single Byte Error Correcting and Double Byte Error Detecting Codes

1983-08-01   IPCOM000046880D   English

A two bit-byte single byte correction and double byte detection (SBC-DBD) code with 7
10 check bits can be shortened to become a (74,64) code. Using the terminology of co(
SBC-DBD code with b bits per byte is a linear code over the finite field ...

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1 Behavioral Aspects of Text Editors
David W. Embley, George Nagy
March 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(3.44 MB)   Additional Information: full citation, references, citings

2 Special issue: AI in engineering
D. Sriram, R. Joobbani
April 1985 **ACM SIGART Bulletin**, Issue 92
Publisher: ACM Press
Full text available: 📄 pdf(8.79 MB)   Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

3 Special issue: Game-playing programs: theory and practice
M. A. Bramer
April 1982 **ACM SIGART Bulletin**, Issue 80
Publisher: ACM Press
Full text available: 📄 pdf(9.23 MB)   Additional Information: full citation, abstract

This collection of articles has been brought together to provide SIGART members with an overview of Artificial Intelligence approaches to constructing game-playing programs. Papers on both theory and practice are included.

4 Information Systems in Perspective
J. D. Aron
December 1969 **ACM Computing Surveys (CSUR)**, Volume 1 Issue 4
Publisher: ACM Press
Full text available: 📄 pdf(2.22 MB)   Additional Information: full citation, references, citings, index terms

5 <u>Data base directions: the next steps</u>

John L. Berg

November 1976 **ACM SIGMOD Record , ACM SIGMIS Database**, Volume 8 , 8 Issue 4 , 2

Publisher: ACM Press

Full text available: pdf(9.95 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

What information about data base technology does a manager need to make prudent decisions about using this new technology? To provide this information the National Bureau of Standards and the Association for Computing Machinery established a workshop of approximately 80 experts in five major subject areas. The five subject areas were auditing, evolving technology, government regulations, standards, and user experience. Each area prepared a report contained in these proceedings. The proceedings p ...

Keywords: DBMS, auditing, cost/benefit analysis, data base, data base management, government regulation, management objectives, privacy, security, standards, technology assessment, user experience

6 <u>Special issue on knowledge representation</u>

Ronald J. Brachman, Brian C. Smith

February 1980 **ACM SIGART Bulletin**, Issue 70

Publisher: ACM Press

Full text available: pdf(13.13 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

7 <u>An experimental and theoretical comparison of model selection methods</u>

Michael Kearns, Yishay Mansour, Andrew Y. Ng, Dana Ron

July 1995 **Proceedings of the eighth annual conference on Computational learning theory**

Publisher: ACM Press

Full text available: pdf(1.35 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

8 <u>Special issue on using large corpora: I: Introduction to the special issue on computational linguistics using large corpora</u>

Kenneth W. Church, Robert L. Mercer

March 1993 **Computational Linguistics**, Volume 19 Issue 1

Publisher: MIT Press

Full text available: pdf(1.80 MB) Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>
Publisher Site

9 <u>Document Formatting Systems: Survey, Concepts, and Issues</u>

Richard Furuta, Jeffrey Scofield, Alan Shaw

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Publisher: ACM Press

Full text available: pdf(5.36 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

10 Status report of the graphic standards planning committee

Computer Graphics staff

August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3

Publisher: ACM Press

Full text available: pdf(15.01 MB)   Additional Information: full citation, references, citings

11 The merge/purge problem for large databases

Mauricio A. Hernández, Salvatore J. Stolfo

May 1995 **ACM SIGMOD Record , Proceedings of the 1995 ACM SIGMOD international conference on Management of data SIGMOD '95**, Volume 24 Issue 2

Publisher: ACM Press

Full text available: pdf(1.37 MB)   Additional Information: full citation, abstract, references, citings, index terms

Many commercial organizations routinely gather large numbers of databases for various marketing and business analysis functions. The task is to correlate information from different databases by identifying distinct individuals that appear in a number of different databases typically in an inconsistent and often incorrect fashion. The problem we study here is the task of merging data from multiple sources in as efficient manner as possible, while maximizing the accuracy of the result. We call thi ...

12 Notable computer networks

John S. Quarterman, Josiah C. Hoskins

October 1986 **Communications of the ACM**, Volume 29 Issue 10

Publisher: ACM Press

Full text available: pdf(4.66 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Computer networks are becoming more numerous and more diverse. Collectively, they constitute a worldwide metanetwork.

13 The information age and the printing press: looking backward to see ahead

James A. Dewar

August 2000 **Ubiquity**, Volume 1 Issue 25

Publisher: ACM Press

Full text available: html(112.11 KB) Additional Information: full citation, index terms

14 Multiple mass-market applications as components

David Coppit, Kevin J. Sullivan

June 2000 **Proceedings of the 22nd international conference on Software engineering**

Publisher: ACM Press

Full text available: pdf(179.51 KB)   Additional Information: full citation, abstract, references, citings, index terms

Truly successful models for component-based software development continue to prove elusive. One of the few is the use of operating system, database and similar programs in many systems. We address three related problems in this paper. First, we lack needed models. Second, we do not know the conditions under which such models can succeed. In particular, it is unclear whether the notable success with operating systems can be replicated. Third, we do not know whether certain specific models ca ...

Keywords: component-based software, package-oriented programming

15 Technique for automatically correcting words in text

Karen Kukich

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Publisher: ACM Press

Full text available: pdf(6.23 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent work correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction

16 Deciding ML typability is complete for deterministic exponential time

Harry G. Mairson

December 1989 **Proceedings of the 17th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**

Publisher: ACM Press

Full text available: pdf(1.86 MB)   Additional Information: full citation, abstract, references, citings, index terms

A well known but incorrect piece of functional programming folklore is that ML expressions can be efficiently typed in polynomial time. In probing the truth of that folklore, various researchers, including Wand, Buneman, Kanellakis, and Mitchell, constructed simple counterexamples consisting of typable ML programs having length n, with principal types having &OHgr;(2cn) distinct type variables and length &OHgr;(22cn). When the types ...

17 ACM forum

Robert L. Ashenhurst

August 1988 **Communications of the ACM**, Volume 31 Issue 9

Publisher: ACM Press

Full text available: pdf(1.67 MB)   Additional Information: full citation, references, index terms

18 Checking for spelling and typographical errors in computer-based text

Thomas N. Turba

June 1981 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN SIGOA symposium on Text manipulation**, Volume 16 Issue 6

Publisher: ACM Press

Full text available: pdf(1.02 MB)   Additional Information: full citation, abstract, references, citings, index terms

This paper addresses the problems and techniques of checking for spelling and typographical errors in computer-based text. To some extent, the paper is a combination of a report of work done by the author and a survey of other work which, although not all

used by the author, is of equal value and interest. Some of the material presented is related to other aspects of text processing such as data compaction and the efficient searching of very large dictionaries.

19 A guided tour to approximate string matching

Gonzalo Navarro
March 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 1
Publisher: ACM Press

Full text available: pdf(1.19 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

We survey the current techniques to cope with the problem of string matching that allows errors. This is becoming a more and more relevant issue for many fast growing areas such as information retrieval and computational biology. We focus on online searching and mostly on edit distance, explaining the problem and its relevance, its statistical behavior, its history and current developments, and the central ideas of the algorithms and their complexities. We present a number of experiments to :..

Keywords: Levenshtein distance, edit distance, online string matching, text searching allowing errors

20 On user criteria for data model evaluation

William C. McGee
December 1976 **ACM Transactions on Database Systems (TODS)**, Volume 1 Issue 4
Publisher: ACM Press

Full text available: pdf(1.46 MB)   Additional Information: full citation, abstract, references, citings, index terms

The emergence of a database technology in recent years has focused interest on the subject of data models. A data model is the class of logical data structures which a computer system or language makes available to the user for the purpose of formulating data processing applications. The diversity of computer systems and languages has resulted in a corresponding diversity of data models, and has created a problem for the user in selecting a data model which is in some sense appropriate to a ...

Keywords: data model, data model evaluation, data model selection, hierarchic model, network model, relational model